

### ABSTRACT

A protruding table which was conventionally provided in a center portion of a socket body is eliminated, so that a dimension of a socket in widthwise direction is reduced. When the socket is mounted on a circuit board, an adsorption cover is attached to the socket, and the socket is adsorbed by and held on an adsorption nozzle via the adsorption cover. On the other hand, with respect to a header, gaps between header posts arranged in longitudinal direction are separated by cross walls, so that concave portions are formed between the cross walls. Under a state that an adsorption face of the adsorption nozzle is contacted with the header so that a suction opening of the adsorption nozzle face the concave portion, an enclosed space is formed by at least two cross walls, a bottom face of the concave portion and the adsorption face of the adsorption nozzle. When air in the enclosed space is sucked from the suction opening of the adsorption nozzle, negative pressure occurs, so that the header is adsorbed by and held on the adsorption nozzle. Consequently, it enables the adsorption and holding by the adsorption nozzle, and enables to reduce a dimension of the socket in widthwise direction.